

Docket No.

LEE-109

# UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission  
101

## TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

DNA Polymerase Having Ability to Reduce Innate Selective Discrimination Against Fluorescent Dye-Labeled Dideoxynucleotides

and invented by:

Hong, Guo Fan  
Huang, Wei-hua

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation    ☒ Divisional    ☐ Continuation-in-part (CIP)    of prior application No.: 09/157,397

Which is a:

☐ Continuation    ☐ Divisional    ☒ Continuation-in-part (CIP)    of prior application No.: 08/544,643

Which is a:

☐ Continuation    ☐ Divisional    ☒ Continuation-in-part (CIP)    of prior application No.: 08/642,684

Enclosed are:

## Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 70 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Microfiche Appendix (if applicable)
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if drawings filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

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## Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☒ Formal      b. ☐ Informal      Number of Sheets 8
4. ☒ Oath or Declaration
- a. ☐ Newly executed (original or copy)      ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☐ With Power of Attorney      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference (usable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche
7. ☐ Genetic Sequence Submission (if applicable, all must be included)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

## Accompanying Application Parts

8. ☒ Assignment Papers (cover sheet & documents)
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement/PTO-1449      ☐ Copies of IDS Citations
12. ☒ Preliminary Amendment (ENTER BEFORE FEE CALCULATION)
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☒ First Class      ☐ Express Mail (Specify Label No.): \_\_\_\_\_

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## Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Small Entity Statement(s) - Specify Number of Statements Submitted: 1 (copy from parent app.)
17. ☒ Additional Enclosures (please identify below):

Power of Attorney (copy from parent application); Letter per 37 CFR 1.821(e)

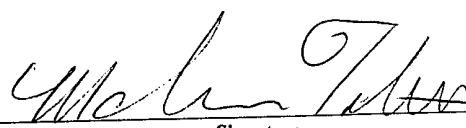
## Fee Calculation and Transmittal

### CLAIMS AS FILED

| For  | #Filed | #Allowed | #Extra | Rate      | Fee      |
|--|--------|----------|--------|-----------|----------|
| Total Claims   | 19     | - 20 =   | 0      | x \$9.00  | \$0.00   |
| Indep. Claims  | 5      | - 3 =    | 2      | x \$39.00 | \$78.00  |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/> |        |          |        |           | \$0.00   |
| BASIC FEE  |        |          |        |           | \$345.00 |
| OTHER FEE (specify purpose)  |        |          |        |           | \$0.00   |
| TOTAL FILING FEE   |        |          |        |           | \$423.00 |

- ☒ A check in the amount of \$423.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 500867 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: February 23, 2000

  
Signature  
Marlana K. Titus, Reg. No. 35,843  
Nash & Titus, LLC  
3415 Brookeville Road  
Suite 1000  
Brookeville, MD 20833  
(301) 924-9600

CC:

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**Applicant(s): **Hong et al.**

Docket No.

**LEE-109**Serial No.  
not knownFiling Date  
**February 23, 2000**Examiner  
not knownGroup Art Unit  
not known

Invention: **DNA Polymerase Having Ability to Reduce Innate Selective Discrimination Against Fluorescent Dye-Labeled Dideoxynucleotides**  
(Divisional application of 09/157,397)

jc675 U.S. PTO  
09/512019

02724700

I hereby certify that this **Divisional application, transmittal sheets and all accompanying paperwork**  
(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The  
Assistant Commissioner for Patents, Washington, D.C. 20231 on **February 23, 2000**  
(Date)

**Marlana K. Titus**

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

**Note: Each paper must have its own certificate of mailing.**